IN THE CLAIMS

This listing of claims will replace all versions and listings of claims in the application.

Claim 1 (Currently Amended): A magnetic head apparatus comprising:

a load beam to which a floating ~~type~~ slider is attached;

a head arm that is supported at a proximal end thereof in such a way as to be pivotable in a radial direction of a recording medium and supports said load beam at a distal end of the head arm;

an elastically deformable ~~portion~~ member provided on the load beam, so that a floating structure that allows said load beam to swing is formed about said elastically deformable ~~portion~~ member; and

a load generating member for applying a load onto a predetermined position of said load beam;

wherein, said predetermined position of said load beam is adapted to coincide with a center of mass of said load beam and is provided in proximity with a position at which said load beam is supported by said head arm; and

a pressing load of said slider against the recording medium is set by a pressure generated at said load generating ~~portion~~ member.

Claim 2 (Original): A magnetic head apparatus according to claim 1, wherein balancing about said center of mass is attained by means of a dead weight made of a vibration damping member.

Claim 3 (Original): A magnetic head apparatus according to claim 2, wherein said dead weight is made of a resin.

Claim 4 (Original): A magnetic head apparatus according to claim 1, wherein said load beam is made of a resin.

Claim 5 (Original): A magnetic head apparatus according to claim 4, wherein said resin comprises an electrically conductive resin so that it would be in electrical contact with an external member.

Claim 6 (Original): A magnetic head apparatus according to claim 4, wherein an electrically conductive coating is formed on said resin so that it would be in electrical contact with an external member.

Claim 7 (Previously Presented): A magnetic head apparatus according to claim 1, wherein said head arm has a strengthen plate that is attached to said head arm perpendicularly in such a way that it would not interfere with said recording medium.

Claim 8 (Currently Amended): A magnetic head apparatus comprising:

a load beam to which a floating ~~type~~ slider is attached;

a head arm that is supported at a proximal end thereof in such a way as to be pivotable in a radial direction of a recording medium and supports said load beam at a distal end of the load arm;

an elastically deformable ~~portion~~ member provided on the load beam, so that a floating structure that allows said load beam to swing is formed about said elastically deformable ~~portion~~ member;

a projecting ~~portion~~ member for generating a load disposed in the vicinity of said elastically deformable ~~portion~~ member of said load beam; and

a pressure receiving surface provided on said load beam for receiving a pressure from said projecting ~~portion~~ member;

wherein, a position of said projecting ~~portion~~ member for generating a load is adapted to coincide with a center of mass of said load beam and is provided in proximity with a position at which said load beam is supported by said head arm; and

a pressing load of said slider against the recording medium is set by a pressure applied to said pressure receiving surface.

Claim 9 (Original): A magnetic head apparatus according to claim 8, wherein balancing about said center of mass is attained by means of a dead weight made of a vibration damping member.

Claim 10 (Original): A magnetic head apparatus according to claim 9, wherein said dead weight is made of a resin.

Claim 11 (Original): A magnetic head apparatus according to claim 8, wherein said load beam is made of a resin.

Claim 12 (Original): A magnetic head apparatus according to claim 11, wherein said resin comprises an electrically conductive resin so that it would be in electrical contact with an external member.

Claim 13 (Original): A magnetic head apparatus according to claim 11, wherein an electrically conductive coating is formed on said resin so that it would be in electrical contact with an external member.

Claim 14 (Previously Presented): A magnetic head apparatus according to claim 8, wherein said head arm has a strengthen plate that is attached to said head arm perpendicularly in such a way that it would not interfere with said recording medium.

Claim 15 (Currently Amended): A magnetic head apparatus comprising:

a head arm that is supported at a proximal end thereof in such a way as to be pivotable in a radial direction of a recording medium;

a base plate adapted to be attached to ~~a~~ the head arm;

~~a head arm that is supported in such a way as to be pivotable in a radial direction of a recording medium;~~

a load beam that extends from the base plate and is supported by said head arm through said base plate at a distal end of the head arm;

a floating ~~type~~ slider attached to said load beam;

an elastically deformable ~~portion~~ member provided between said base plate and said load beam, so that a floating structure that allows said load beam to swing is formed about said elastically deformable ~~portion~~ member;

a projecting ~~portion~~ member for generating a load disposed in the vicinity of said elastically deformable ~~portion~~ member of said load beam;

a pressure receiving surface provided on said load beam;

wherein, a position of said projecting ~~portion~~ member for generating a load is adapted to coincide with a center of mass of said load beam and is provided in proximity with a position at which said load beam is supported by said head arm;

a pressing load is applied to a surface of the recording medium via said floating ~~type~~ slider; and

a pressing load of said slider against the recording medium is set by a pressure applied to said pressure receiving surface.

Claim 16 (Original): A magnetic head apparatus according to claim 15, wherein balancing about said center of mass is attained by means of a dead weight made of a vibration damping member.

Claim 17 (Original): A magnetic head apparatus according to claim 16, wherein said dead weight is made of a resin.

Claim 18 (Original): A magnetic head apparatus according to claim 15, wherein said load beam is made of a resin.

Claim 19 (Original): A magnetic head apparatus according to claim 18, wherein said resin comprises an electrically conductive resin so that it would be in electrical contact with an external member.

Claim 20 (Original): A magnetic head apparatus according to claim 18, wherein an electrically conductive coating is formed on said resin so that it would be in electrical contact with an external member.

Claim 21 (Previously Presented): A magnetic head apparatus according to claim 15, wherein said head arm has a strengthen plate that is attached to said head arm perpendicularly in such a way that it would not interfere with said recording medium.

Claim 22 (Currently Amended): A magnetic head supporting mechanism comprising:

a magnetic head apparatus including a base plate and a load beam extending from the base plate;

a head arm that is supported at a proximal end thereof in such a way as to be pivotable in a radial direction of a recording medium and is attached to said base plate at a distal end of the head arm;

a floating ~~type~~ slider attached to said load beam;

an elastically deformable ~~portion~~ member that is flexible provided between said base plate and said load beam so that a floating structure that allows said load beam to swing is formed about said elastically deformable ~~portion~~ member; and

a projecting ~~portion~~ member for generating a load disposed in the vicinity of said elastically deformable ~~portion~~ member of said load beam, said projecting ~~portion~~ member for generating a load being provided on said head arm and being adapted to apply a pressure to said load beam;

wherein a position of said projecting ~~portion~~ member for generating a load is adapted to coincide with a center of mass of said load beam and is provided in proximity with a position at which said load beam is supported by said head arm;

a pressing load is applied to the recording medium via said floating ~~type~~ slider; and

said pressing load to the recording medium is set by an amount of rotation of said load beam caused by the pressure applied by said projecting ~~portion~~ member for generating a load.

Claim 23 (Currently Amended): A magnetic head supporting mechanism ~~apparatus~~ according to claim 22, wherein balancing about said center of mass is attained by a dead weight made of a vibration damping member.

Claim 24 (Original): A magnetic head supporting mechanism according to claim 23, wherein said dead weight is made of a resin.

Claim 25 (Original): A magnetic head supporting mechanism according to claim 22, wherein said load beam is made of a resin.

Claim 26 (Original): A magnetic head supporting mechanism according to claim 25, wherein said resin comprises an electrically conductive resin so that it would be in electrical contact with an external member.

Claim 27 (Original): A magnetic head supporting mechanism according to claim 26, wherein an electrically conductive coating is formed on said resin so that it would be in electrical contact with an external member.

Claim 28 (Previously Presented): A magnetic head supporting mechanism according to claim 22, wherein said head arm has a strengthen plate that is attached to said head arm perpendicularly in such a way that it would not interfere with said recording medium.

Claim 29 (Original): A magnetic recording apparatus equipped with a magnetic head apparatus according to claim 1.

Claim 30 (Original): A magnetic recording apparatus equipped with a magnetic head apparatus according to claim 8.

Claim 31 (Original): A magnetic recording apparatus equipped with a magnetic head apparatus according to claim 15.

Claim 32 (Original): A magnetic recording apparatus equipped with a magnetic head supporting mechanism according to claim 22.